



-1449 (Modified)

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	DESIGNA.	TION U.S. PATENT DOO	JUMEN'IS		
Examiner Initial		Document No.	Date	Patentee	
T.B.	AA	3 341 835	09/12/67	Werner et al	
	AB	3 926 271	12/16/75	Patashnick	
r	AC	3 970 146	07/20/76	Keenan Jr	
	AD	4 280 557	07/28/81	Bodine	
	AE	4 320 528	03/16/82	Scharton et al	
8	AF	4 444 146	04/24/84	De Witz et al	
	AG	4 553 137	11/12/85	Marxer et al	
	НА	4 669 310	06/02/87	Lester  RHCHW00 RRCE RRCE VEI  Slough  Seidner  CENTER  Okabe et al	
	AI	4 718 774	01/12/88	Slough OF CE	
	AJ	4 856 584	08/15/89	Seidner CE X	
	AK	4 872 347	10/10/89	Okabe et al	
	AL	4 994 671	02/19/91	Safinya et al	
	AM	5 038 033	08/06/91	Carroll et al	
	AN	5 072 388	12/10/91	O'Sullivan et al	
	AO	5 092 176	03/03/92	Buttram et al	
	AP	5 112 642	05/12/92	Wajid =	
1	AQ	5 159 838	11/03/92	Lynnworth HWC	
	AR	5 184 678	02/09/93	Pechkov et al	
	AS	5 201 215	04/13/93	Granstaff et al M W IT	
	ΤA	5 591 922	01/07/97	Granstaff et al CENTRA 2003 Segeral et al 2003 Segeral et al 2003	
1/	AU	5 595 243	01/21/97	Maki Jr et al	
	AV	5 646 338	07/08/97	Mercusot et al	

à	/					
TRADENA NA B	AW	5 661 233	08/26/97	Spates et al		
1	AX	5 676 213	10/14/97	Auzerais et al	RE	
	AY	5 727 628	03/17/98	Patzner	alog Fill	
	AZ	5 734 098	03/31/98	Kraus et al	CENT IN	
	BA	5 735 226	04/07/98	McNeal	ES	
	BB	5 831 743	11/03/98	Ramos et al	RE RECHNO	
	BC	5 889 209	03/30/99	Piedrahita et a	DE SE	
	BD	5 969 235	10/19/99	Allan	3 2013 CENTER	
FOREIGN F	ATENT DO	CUMENTS			- H - G	
	BE	Document No.	Date	Country	Translation Yes No	
T.B.	BF	2 165 330 A	10/04/84	GB		
	BG	2 351 810 B	08/17/99	GB		
$\overline{}$	ВН	93/24199	06/02/93	WO		
OTHER INF PERTINENT	ORMATION PAGES, E	1 2 2 2 3 3 3 3				
T.B.	BI	Allen, T.O. and Roberts, A.P., <i>Production Operations</i> , Vol. 2, 2nd edition, pp. 11-19, OGCI, Tulsa, Ok. (1982)				
	BK	Ref. 1, pp. 171-181. Allen, edition, OGCI, Tulsa, Ok. (	T.O. and Rober 1982)	ts, A.P., Production Op	perations, Vol. 2, 2nd	
	BL	Putnis, A, Putnis, C.V. and Paul, J.M., "The efficiency of a DTPA-based solvent in the dissolution of barium sulfate scale deposits", SPE International Symp. Oilfield Chemistry, San Antonio, Texas, February 1995, SPE 29094  Jasinski, R, Taylor, K. and Fletcher, P., Taylor K, "Calcite scaling tendencies for North Sea HTHP wells: prediction, authentication and application", SPE Symp. Oilfield Scale, New Orleans, Louisiana, September 1998;  Calange, S., Ruffier-Meray, V. and Behar, E., "Onset crystallization temperature and deposit amount for waxy crudes: experimental determination and thermodynamic modelling", SPE International Symp. Oilfield Chemistry, Houston, Texas, February 1997, SPE 37239  Gunarathne, G.P.P. and Keatch, R.W., "Novel techniques for monitoring and enhancing dissolution of mineral deposits in petroleum pipelines", SPE Offshore Europe Conference, Aberdeen, Sept. 1995, SPE 30418.				
	ВМ					
	BN					
	ВО					
	BP					
[	1		earch HW "No	ivel techniques for mor	nitoring and enhancing	
		Gunarathne, G.P.P. and Ke dissolution of mineral depos	sits in petroleum	n pipelines", <i>Ultrasonics</i>	s, <b>34</b> , 411-419 (1996)	

FEB 2 7 2003				
RADEWANTS.	BR	Sivaraman, A., Hu, Y., Thomas, F.B., Bennion, D.B. and Jamaluddin, A.K.M., "Acoustic resonance: an emerging technology to identify wax and asphaltene precipitation onset in reservoir fluids", 48th Annual Tech. Meet. The Petroleum Society, Calgary, Canada, June 8-11, 1997, paper CIM 97-96.		
	BS	Jamaluddin, A.K.M., Sivaraman, A., Imer, D. Thomas, F.B. and Bennion, D.B., "A proactive approach to address solids (wax and asphaltene) precipitation during hydrocarbon production", 8th Abu Dhabi Intern. Petroleum Exhibit., Abu Dhabi, U.A.E., 11-14 October, 1998, SPE 49465		
	BT	Emmons, D.H. and Jordan, M.M., "The development of near-real time monitoring of scale deposition", SPE Oilfield Scale Symposium, Aberdeen, 27-28 Jan., 1999		
	BU	Emmons, D.H., Graham, G.C., Holt, S.P., and Jordan, M.M. "On-site, near-real-time monitoring of scale deposition", SPE Annual Technical Conference and Exhibition, Houston, Oct 1999, SPE 56776		
	- BV	Gabrielli, C., Keddam, M., Khalil, A., Maurin, G., Perrot, H., Rosset, R. and Zidoune, M., "Quartz crystal microbalance investigation of electrochemical calcium carbonate scaling", <i>J. Electrochem. Soc.</i> , <b>145</b> , 2386-2395 (1998).		
	BW	Nohata, Y. and Taguchi, H., "An ultrasensitive fouling monitoring system for cooling towers", <i>Materials Performance</i> , <b>34</b> , 43-46 (1995).		
	ВХ	Stock, D.D., "The use of pressure drop measurements to monitor scale build-up in pipelines and wells", <i>Geothermal Resources Council Trans.</i> , <b>14</b> , 1645-1651 (1990).		
	BY	Oilfield Production Analysts Ltd, Aberdeen: product brochures for P-MAC 2000, 3000 and 4000 series.		
	BZ	Flemming, H-C., Tamachkiarowa, A., Klahre, J. and Schmitt, J., "Monitoring of fouling and biofouling in technical systems", <i>Water Sci. Tech.</i> , <b>38</b> , 291-298 (1998).		
	CA	Esche, R., "Untersuchung der Schwingungkavitation in Flüssigkeiten", <i>Acustica</i> , <b>2</b> , AB208-218 (1952);		
	CE	Mason, T.J. and Lorimer, J.P., Sonochemistry: Theory, Applications and Uses of Ultrasound in Chemistry, p 31, Ellis Horwood, Chichester, UK (1988).		
	СС	Gollapdi, U.K., Bang, S.S. and Islam, M.R., "Ultrasonic treatment for removal of asphaltene deposits during petroleum production", SPE International Conf. Formation Damage Control, Lafayette, Louisiana, February 1994, SPE 27377		
	CD	Venkitaraman, A., Roberts, P.M. and Sharma. M.M., "Ultrasonic removal of near-wellbore damage caused by fines and mud solids", <i>SPE Drilling &amp; Completions</i> , <b>10</b> , 193-197 (1995).		
	CE	Roberts, P.M., Venkitaraman, A. and Sharma, M.M., "Ultrasonic removal of organic deposits and polymer induced formation damage", SPE Formation Damage Control Symp., Lafayette, Louisiana, February 1996, SPE 31129		
	CF	Widener, M.W., "The development of high-efficiency narrow-band transducers and arrays", <i>J. Acoust. Soc. Amer.</i> , <b>67</b> , 1051-7 (1980);		
	CG	Widener, M.W., "The development of a deep submergence air-backed transducer", J. Acoust. Soc. Amer., 80, 1852-3 (1986).		
	CH	Lal, A. and White, R.M., "Silicon microfabricated horns for power ultrasonies", Sensors and Actuators, <b>A54</b> , 542-546 (1996).		
		ZD03		
EXAMINER	Dan	ilo Bellaman 7/29/03 8		
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1. The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.

2. This is not a representation that a search has been made.